

WHAT IS CLAIMED IS:

1. A storage medium comprising program components which are executable through a common application program interface and are utilizable by a developer to write
5 programming instructions, wherein the program components comprise:

a first program component for adaptively navigating through one or more websites; and

- 10 one or more additional program components for extracting scripted content from the one or more websites.

2. The storage medium of claim 1, wherein the first program component comprises coding directives which are utilizable by the developer to write program instructions for
15 conditionally navigating through the one or more websites.

3. The storage medium of claim 1, wherein the first program component comprises coding directives which are utilizable by the developer to write program instructions for facilitating navigation through the one or more websites.

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4. The storage medium of claim 3, wherein the coding directives are utilizable by the developer to selectively write the program instructions associated with facilitated navigation.

- 25 5. The storage medium of claim 1, wherein the one or more additional program components is further for extracting unscripted content from the one or more websites.

6. The storage medium of claim 5, wherein the one or more additional program components comprise a second program component for standardizing the scripted and
30 unscripted content.

7. The storage medium of claim 5, wherein the one or more additional program components comprise a second program component with coding directives which are utilizable by the developer to write program instructions for generating a model of logical structure of the scripted and unscripted content.

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8. The storage medium of claim 7, wherein the one or more additional program components comprise a third program component with coding directives which are utilizable by the developer to write program instructions for searching for information within the model of logical structure.

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9. The storage medium of claim 8, wherein the coding directives of the second program component comprise program instructions which index web page content to increase the rate at which information is searched for within the model of logical structure.

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10. The storage medium of claim 1, further comprising a means for interpreting different scripting languages.

11. The storage medium of claim 10, wherein the first program component comprise
20 coding directives utilizable by a developer to write program instructions for:

recognizing a scripting language embedded within the one or more websites; and

executing the embedded scripting language using said means.

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12. The storage medium of claim 10, wherein the means for interpreting different scripting languages is configured to allow the developer to select a scripting language from a plurality of scripting languages with which to develop the program instructions.

13. The storage medium of claim 1, wherein the first program component is further for accessing data other than what may be configured to be displayed on a browser as characterized by a structural layout of an accessed website.
- 5 14. The storage medium of claim 1, wherein the program components comprise coding directives for posting data on the one or more websites.
15. The storage medium of claim 1, wherein the program components comprise coding directives utilizable by a developer to write event driven program instructions.
- 10 16. A storage medium comprising coding directives which are utilizable by a developer for writing program instructions with which to standardize content on a web page.
- 15 17. The storage medium of claim 16, wherein the coding directives are utilizable by the developer for writing program instructions with which to convert web content of non-standardized format on the web page into a well-formed format.
18. The storage medium of claim 16, wherein the coding directives are utilizable by
20 the developer for writing program instructions with which to standardize spaces within the web page content.
19. The storage medium of claim 16, further comprising another set of coding directives utilizable by the developer for writing program instructions with which to:
25 generate a model of logical structure of the content on the web page; and
- search the model of logical structure for information of interest.

20. The storage medium of claim 16, further comprising another set of program instructions utilizable by the developer for writing program instructions with which to automatically navigate through the web page.

5 21. A storage medium comprising a first set of coding directives utilizable by a developer to write programming instructions which reference XPath query language.

22. The storage medium of claim 21, further comprising a second set of coding directives utilizable by the developer to write programming instructions for generating a
10 model of logical structure of content from one or more websites, wherein the first set of coding directives is utilizable by the developer to write programming instructions for searching for information of interest within the model of logical structure using the XPath query language.

15 23. The storage medium of claim 22, wherein the second set of coding directives are further utilizable by the developer to write programming instructions for standardizing content on the one or more websites.

24. The storage medium of claim 20, further comprising a third set of coding
20 directives utilizable by the developer to write programming instructions for navigating through the one or more websites.

25. A storage medium comprising program instructions executable using a processor
25 for:

navigating through a website to access information;

parsing the accessed information into a model of logical structure;

executing a scripting language embedded within the website such that information corresponding to the scripting language can be parsed into the model of logical structure; and

5 searching for content within the model of logical structure.

26. The storage medium of claim 25, wherein the program instructions are further for accessing the website without a user interface.

10 27. The storage medium of claim 26, wherein the program instructions are further for mimicking a browser authorized to access the website.

28. The storage medium of claim 25, wherein the program instructions are further for automatically extracting the content to a target location.

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29. The storage medium of claim 28, wherein the target location is a text file.

30. The storage medium of claim 28, wherein the target location is a database.

20 31. The storage medium of claim 28, wherein the program instructions are further for simultaneously processing multiple requests to extract content from one or more web pages.

32. The computer-implemented method of claim 25, wherein the program instructions
25 are further for posting data upon the website.

33. The computer-implemented method of claim 25, wherein the program instructions are further for monitoring the status of the accessed information on the website.

34. The computer-implemented method of claim 33, wherein the program instructions are further for sending an alert upon detecting a change in the status of the accessed information.

5 35. The computer-implemented method of claim 33, wherein the program instructions are further for automatically inducing the program instructions for partitioning, querying and automatically extracting upon detecting a change in the status of the contents on the one or more websites.

10 36. A computer-implemented method for obtaining a collection of information from one or more websites, comprising:

accessing the one or more websites;

15 partitioning contents on the one or more websites into a model of logical structure;

querying the model of logical structure for information of interest; and

20 automatically extracting, independent of user intervention, the information of interest to a target location.

37. The computer-implemented method of claim 36, further comprising standardizing the contents on the one or more websites into a standard format prior to the step of partitioning.

25 38. The computer-implemented method of claim 37, further comprising executing a script embedded within the one or more websites prior to the step of querying.

39. The computer-implemented method of claim 36, further comprising posting data
30 upon a website in response to the step of extracting the information to a target location.

40. The computer-implemented method of claim 36, further comprising monitoring the status of the contents on the one or more websites.

41. The computer-implemented method of claim 40, further comprising sending an
5 alert upon detecting a change in the status of the contents on the one or more websites.

42. The computer-implemented method of claim 40, further comprising performing the steps of partitioning, querying and automatically extracting upon detecting a change in the status of the contents on the one or more websites.

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